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(71) Applicant (for all designated States except US): IPAGSA INDUSTRIAL, S.L. [ES/ES]; Sant Jordi, 15, E-08191 Rubi - Barcelona (ES).

(72) Inventor; and

(75) Inventor/Applicant (for US only): BENTLEY, Peter, Jonathan [GB/ES]; Carrer D'Adriá Pardos, 13, E-08198 La Floresta - Barcelona (ES).

(74) Agent: BERNARDO NORIEGA, Francisco; ABG Patentes, S.L., Orense, 68, 7th floor, E-28020 Madrid (ES).

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(54) Title: THERMALLY REACTIVE INFRARED ABSORPTION POLYMERS AND THEIR USE IN A HEAT SENSITIVE LITHOGRAPHIC PRINTING PLATE

(57) Abstract: The invention provides a near infrared absorption polymer comprising at least two different pendent infra-red chromophoric moieties covalently bonded to the backbone of an alkali-soluble resin, at least one of which is an indole cyanine dye and the other of which is a benz [e]-indole cyanine dye. When used in the coating of a heat sensitive positive working lithographic printing plate precursor the stabilization time needed after manufacture is significantly reduced, avoiding further conditioning processes before use. The precursors are preferably imagewise exposed with a near-infrared laser emitting at between 780 nm and 850 nm.



